FIG. 1

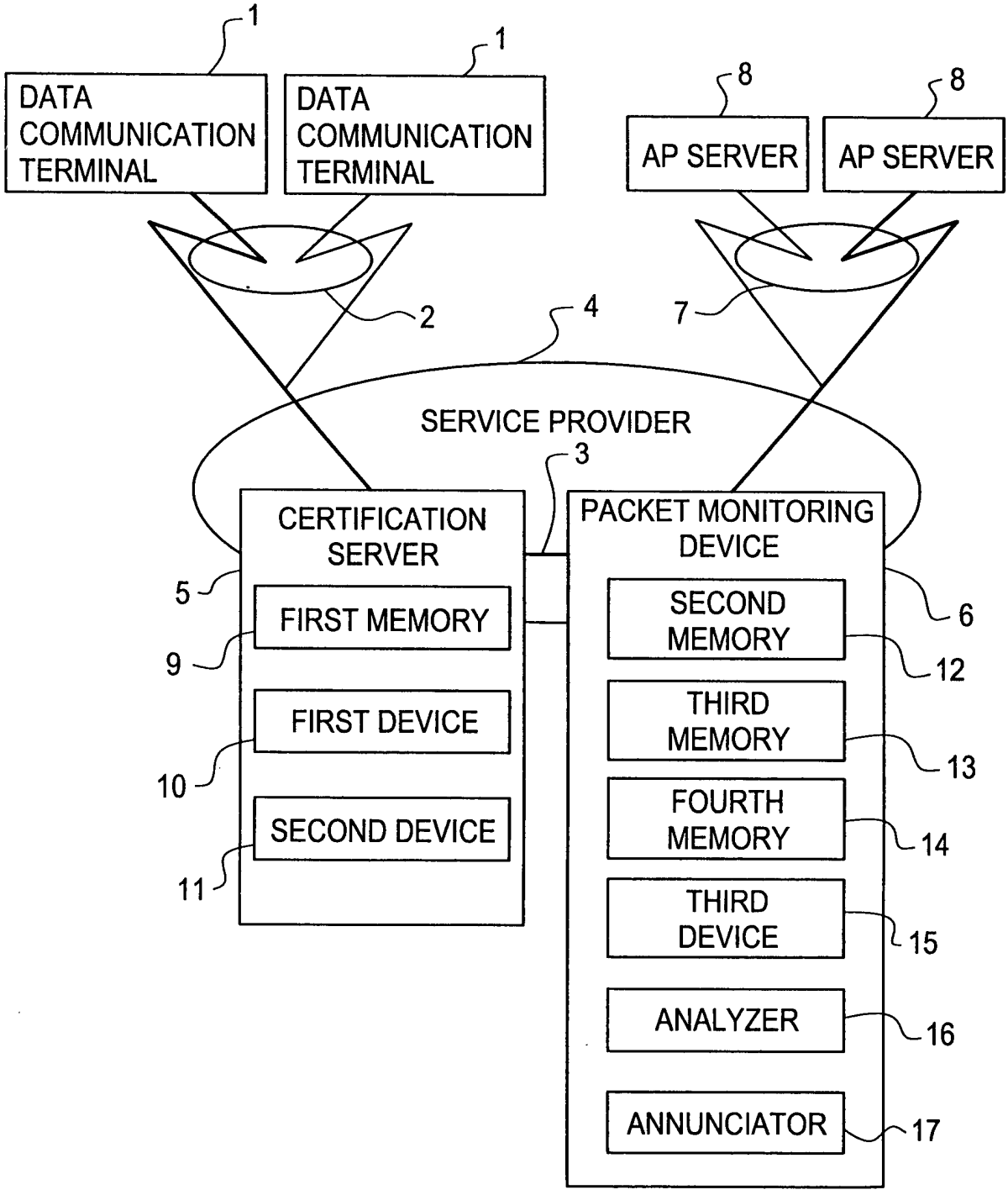

1
1
DATA COMMUNICATION TERMINAL
DATA COMMUNICATION TERMINAL
8
8
AP SERVER
AP SERVER
2
4
7
SERVICE PROVIDER
3
CERTIFICATION SERVER
PACKET MONITORING DEVICE
5
FIRST MEMORY
9
FIRST DEVICE
10
SECOND DEVICE
11
SECOND MEMORY
6
12
THIRD MEMORY
13
FOURTH MEMORY
14
THIRD DEVICE
15
ANALYZER
16
ANNUNCIATOR
17

FIG. 2

OBJECTS	PARAMETER A	PARAMETER B	PARAMETER C	PARAMETER D
ADDRESSES	●	●	●	
SERVICE IDENTIFIER	●		●	
DATA SEQUENCE X		●	●	
CHECK SUM				●

FIG. 3

THRESHOLD PARAMETER	DEFINITION
THRESHOLD A	DURATION AFTER COINCIDENCE
THRESHOLD B	NO. OF COINCIDENCE
THRESHOLD C	USER DATA & HEADER SIZE
THRESHOLD D	SERVICE FEE

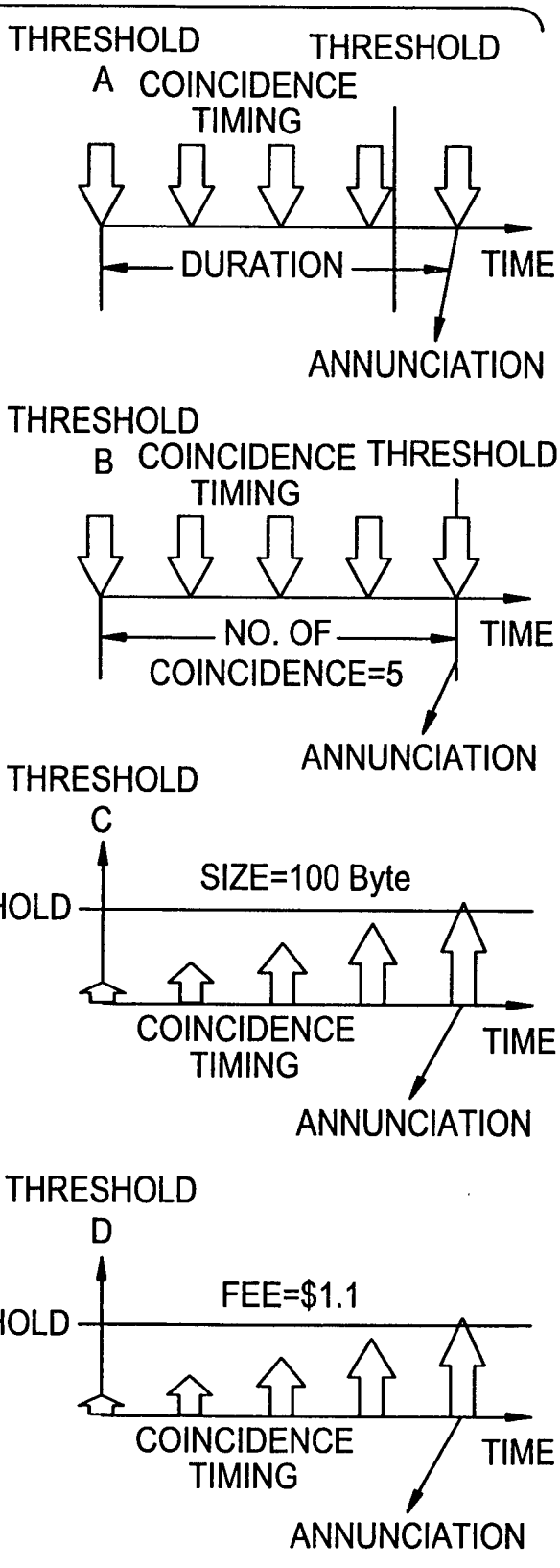


FIG. 4

TABLE ID	USER ID NUMBER	PASSWORD	MONITORING PARAMETER	THRESHOLD PARAMETER	FLAG
1	ID1234	XXXX	A	A	0x1000
2	ID5678	YYYY	B	C	0x2000
3	ID9999	ZZZZ	D	E	0x3000

FIG. 5

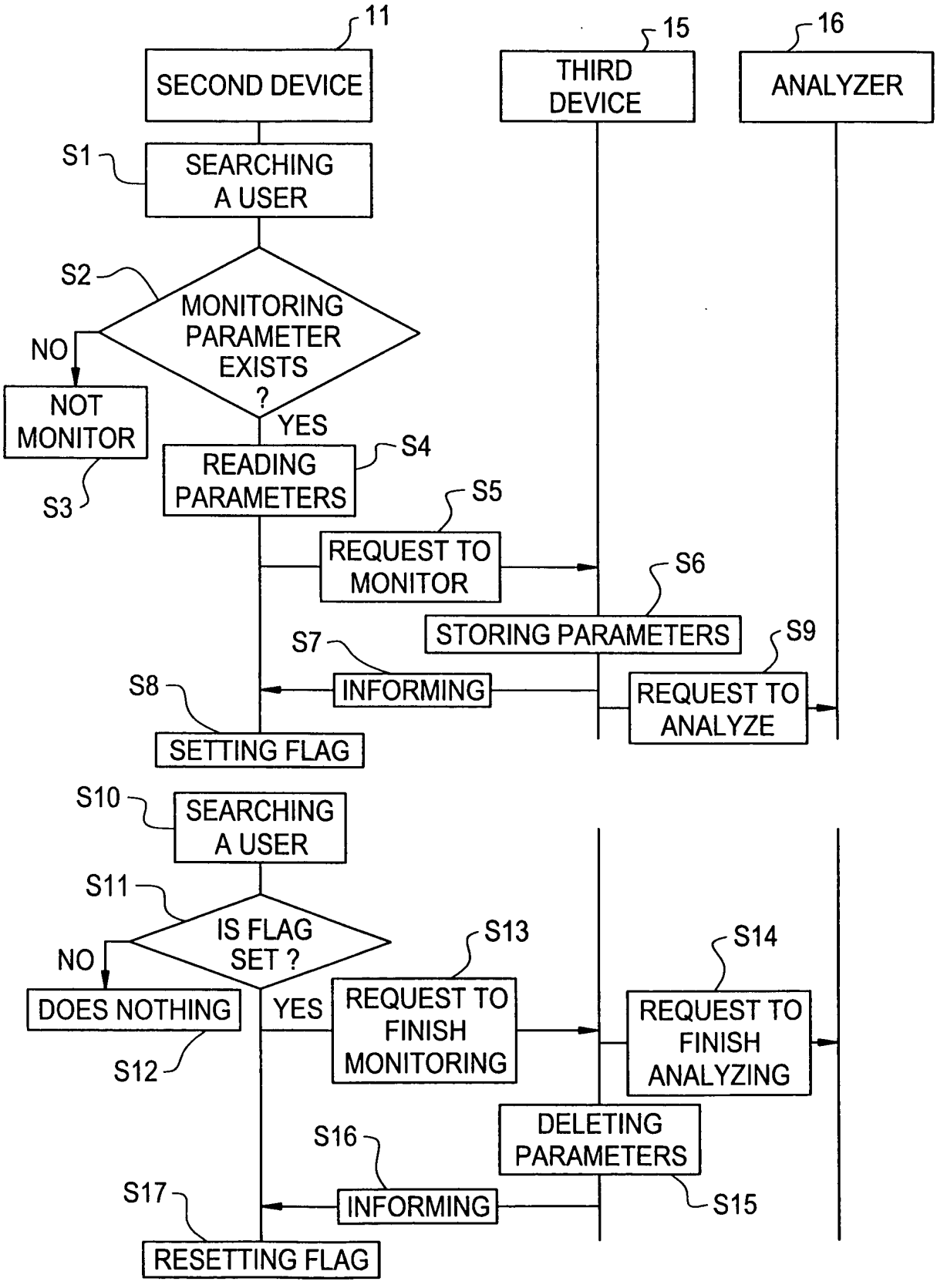
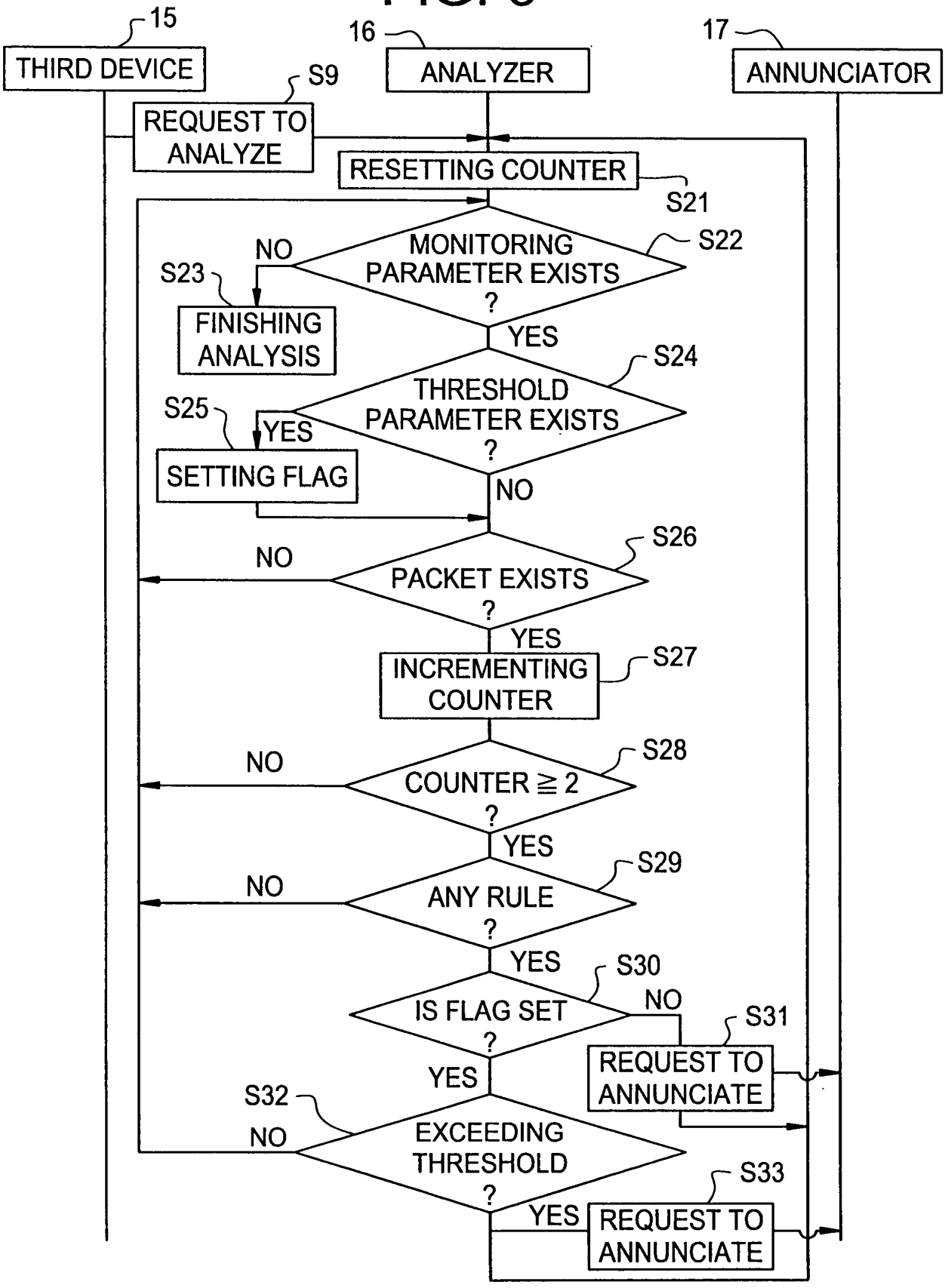

11
SECOND DEVICE
15
THIRD DEVICE
16
ANALYZER
S1
SEARCHING A USER
S2
MONITORING PARAMETER EXISTS ?
NO
NOT MONITOR
S3
YES
READING PARAMETERS
S4
S5
REQUEST TO MONITOR
S6
STORING PARAMETERS
S7
INFORMING
S8
SETTING FLAG
S9
REQUEST TO ANALYZE
S10
SEARCHING A USER
S11
IS FLAG SET ?
NO
DOES NOTHING
S12
YES
S13
REQUEST TO FINISH MONITORING
S14
REQUEST TO FINISH ANALYZING
DELETING PARAMETERS
S15
S16
INFORMING
S17
RESETTING FLAG

FIG. 6


15
THIRD DEVICE
16
ANALYZER
17
ANNUNCIATOR
S9
REQUEST TO ANALYZE
RESETTING COUNTER
S21
MONITORING PARAMETER EXISTS ?
S22
NO
S23
FINISHING ANALYSIS
YES
THRESHOLD PARAMETER EXISTS ?
S24
S25
YES
SETTING FLAG
NO
PACKET EXISTS ?
S26
NO
YES
INCREMENTING COUNTER
S27
COUNTER ≧ 2 ?
S28
NO
YES
ANY RULE ?
S29
NO
YES
IS FLAG SET ?
S30
NO
S31
REQUEST TO ANNUNCIATE
YES
EXCEEDING THRESHOLD ?
S32
NO
S33
YES
REQUEST TO ANNUNCIATE

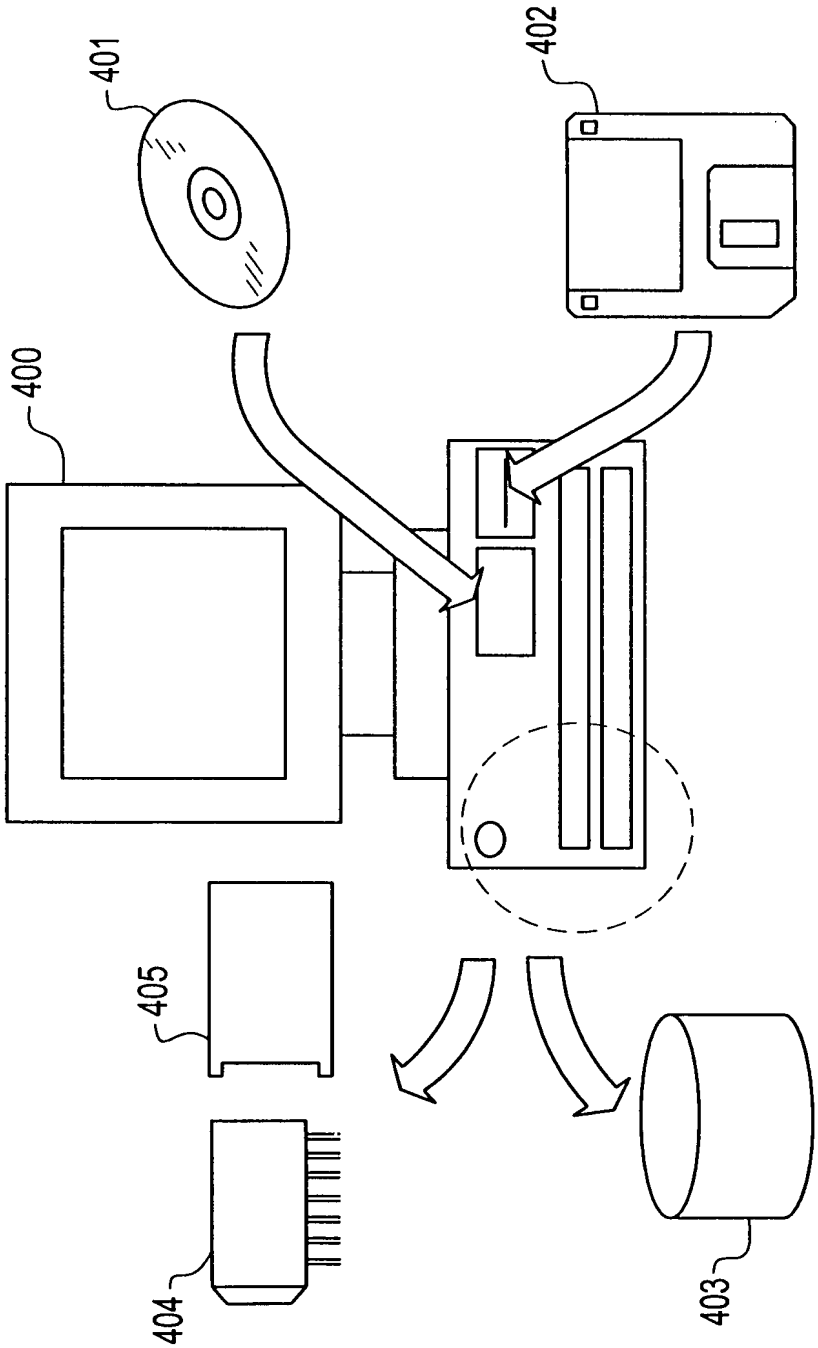



FIG. 7